

**DESCRIPTION**

This watershed flows into the 'Irvine Coast' Area of Special Biological Significance (ASBS), which begins at Pelican Point and continues 3.4 miles along the coastline to the City of Laguna Beach. This ASBS contains the Irvine Coast State Marine Park (formerly called a Marine Life Refuge), and the overlapping Crystal Cove State Marine Conservation Area, which are administered by the Calif. Dept. of Fish & Game. These Marine Protected Areas and the adjoining beach provide excellent tidal and offshore communities featuring tide pools, kelp beds, and dolphin birthing grounds. Although most of this CCA is becoming increasingly urbanized, Crystal Cove State Park (administered by the Calif. Dept. of Parks and Recreation) contains some of the last undeveloped Orange County coastline.

The 16 natural gullies or streams in this CCA that discharge directly to the ocean mostly drain urban areas, the Pacific Coast Highway, and park facilities. Los Trancos Creek is impaired by fecal coliform bacteria; a beach colony within the State Park is being disassembled, but its septic tanks may still pose a coliform threat. Increasing human impacts threaten to adversely impact the native marine habitats.



Beach and Tide Pools,  
Crystal Cove State Park  
(Photo courtesy State Water Resources  
Control Board).

For more photos, visit the California  
Coastal Records Project:  
[www.californiacoastline.org](http://www.californiacoastline.org)

**REASON FOR CCA IDENTIFICATION**

This watershed flows into the 'Irvine Coast' **Area of Special Biological Significance** (ASBS), which is a State Water Quality Protection Area. Los Trancos Creek is also a 2002 303(d)-listed **impaired waterbody that flows into Marine Protected Areas** (Irvine Coast State Marine Park, and Crystal Cove State Marine Conservation Area).

**POLLUTED RUNOFF CONDITIONS**

	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	2002 303(d)-Listed Pollutants TMDL Priority (& Proposed Completion if available)		<u>Other Pollutants</u>			
Selected Coastal Zone Waterbodies	<u>Fecal Coliform</u>	<u>Total Coliform</u>	?	?	?	
Los Trancos Creek ▲ (=Crystal Cove Creek)	▲ Low	▲ Low				
Morro Canyon Creek ■						
Muddy Creek •						
Pelican Point Creek ♦						
Pelican Hill Waterfall Creek □						
Potential Sources of Pollutants in Coastal Waterbodies						
Agriculture						
Forestry (Silviculture)						
Urban Areas						
➤ Urban Runoff/Storm Sewers	▲	▲				a, b, c, d, e, f
Marinas & Boating						
Hydromodification						
Wetlands & Riparian Areas						b, e, f

## Irvine Coast CCA

Potential Sources of Pollutants, continued	<u>Fecal Coliform</u>	<u>Total Coliform</u>	<u>?</u>	<u>?</u>	<u>?</u>	Efforts to Address Pollutants
Unspecified Nonpoint Source						
Source Unknown	▲	▲				

### MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

<b>a)</b>	<b>Newport Coast Watershed Program: Assessment, Management, and Restoration</b>				<a href="http://www.city.newport-beach.ca.us">www.city.newport-beach.ca.us</a>
	City of Newport Beach	David Kiff	(949) 644-3032		<a href="mailto:Dkiff@city.newport-beach.ca.us">Dkiff@city.newport-beach.ca.us</a>
	➤ Objectives are to complete watershed assessments (survey, hydrologic/ hydraulic, biological/ecological, water quality & sedimentation), prepare restoration recommendations, and implement stabilization & restoration projects.				
<b>b)</b>	<b>Watershed Network (Statewide)</b>				<a href="http://www.watershednetwork.org">www.watershednetwork.org</a>
	Orange County, Resources Development Management Dept.	Michael Wellborn	(714) 834-2486		<a href="mailto:michael@watershednetwork.org">michael@watershednetwork.org</a> <a href="mailto:Michael.wellborn@rdmd.ocgov.com">Michael.wellborn@rdmd.ocgov.com</a>
	➤ Non-Profit 501c(3) acting as liaison between government agencies and non-governmental organizations (NGOs); lobbying support of local groups to aid with and interpret state legislation, policy, and permits.				
<b>c)</b>	<b>Orange County CoastKeeper</b>				<a href="http://www.coastkeeper.org">www.coastkeeper.org</a>
	Orange County CoastKeeper; and Surfrider Foundation	Gary Brown & Randy Seton; Nancy Gardner	(949) 723-5424 CoastKeeper		<a href="mailto:coastkeeper1@earthlink.net">coastkeeper1@earthlink.net</a>
	➤ Sampling tributaries to ocean and coastal waterbodies in conjunction with Regional Board. Divers observe littoral/offshore conditions and marine animal population recoveries.				
<b>d)</b>	<b>Best Management Practices for Residences, Resorts, and Landscaping</b>				<a href="http://www.irvinecompany.com">www.irvinecompany.com</a>
	The Irvine Company	Roberta Marshall; Sat Tamarabuchi	(949) 720-2000		<a href="mailto:webmaster@irvinecompany.com">webmaster@irvinecompany.com</a>
	➤ Best Management Practices have been required for residences, resorts, and landscaping east of Corona del Mar, primarily along the Irvine Coast.				
<b>e)</b>	<b>California Department of Parks and Recreation Programs</b>				<a href="http://www.parks.ca.gov">www.parks.ca.gov</a>
	Calif. Dept. of Parks and Recreation	Kenneth Kramer; David Pryor	(949) 497-1582		<a href="mailto:kkramer@parks.ca.gov">kkramer@parks.ca.gov</a>
	➤ Restoration programs, using native vegetation planting and stormwater drainage improvements, on both the ocean and San Joaquin Hills sides of Pacific Coast Highway. Evacuation of old colony residences on the beach				
<b>f)</b>	<b>Laguna Canyon Conservancy</b>				<a href="http://www.lagunacanyon.org/">http://www.lagunacanyon.org/</a>
		Belinda Blacketer	(714) 497-4439 (714)-494-8190		<a href="mailto:lagunacf2@lagunacanyon.org">lagunacf2@lagunacanyon.org</a>
	➤ Mission is to preserve Laguna Canyon from ridgeline to ridgeline, within the watershed area.				

## Irvine Coast CCA

### REGULATORY/PLANNING JURISDICTIONS

➤ City of Newport Beach, Public Works Dept.	<a href="http://www.city.newport-beach.ca.us/Pubworks/pwmain.htm">http://www.city.newport-beach.ca.us/Pubworks/pwmain.htm</a>	Robert Stein	(949) 644-3322	<a href="mailto:RStein@city.newport-beach.ca.us">RStein@city.newport-beach.ca.us</a>
➤ County of Orange, Watershed & Coastal Resources Division	<a href="http://www.ocwatersheds.com/">http://www.ocwatersheds.com/</a>	Larry McKenney	(714) 834-5067	<a href="mailto:Larry.McKenney@pfrd.ocgov.com">Larry.McKenney@pfrd.ocgov.com</a>
➤ Calif. Coastal Commission, Water Quality Unit	<a href="http://www.coastal.ca.gov/nps/npsndx.html">http://www.coastal.ca.gov/nps/npsndx.html</a>	Tracy Duffey	(805) 585-1809	<a href="mailto:tduffey@coastal.ca.gov">tduffey@coastal.ca.gov</a>
➤ Santa Ana Regional Water Quality Control Board, Coastal Planning	<a href="http://www.waterboards.ca.gov/santaana/">http://www.waterboards.ca.gov/santaana/</a>	Wanda Marquiz-Smith	(909) 782-4468	<a href="mailto:wmarquiz-smith@waterboards.ca.gov">wmarquiz-smith@waterboards.ca.gov</a>
➤ San Diego Regional Water Quality Control Board	<a href="http://www.waterboards.ca.gov/sandiego/">http://www.waterboards.ca.gov/sandiego/</a>	Bruce Posthumus	(858) 467-2964	<a href="mailto:bposthumas@waterboards.ca.gov">bposthumas@waterboards.ca.gov</a>
➤ State Water Resources Control Board, ASBSs	<a href="http://www.swrcb.ca.gov/plnspols/oplans/asbs.html">http://www.swrcb.ca.gov/plnspols/oplans/asbs.html</a>	Connie Anderson	(916) 341-5280	<a href="mailto:csanderson@waterboards.ca.gov">csanderson@waterboards.ca.gov</a>
➤ Calif. State Parks, Orange Coast District	<a href="http://www.parks.ca.gov/default.asp?page_id=644">www.parks.ca.gov/default.asp?page_id=644</a>	David Pryor	(949) 497-1421	<a href="mailto:pryor@fea.net">pryor@fea.net</a>
➤ Calif. Dept. of Fish & Game, Marine Region	<a href="http://www.dfg.ca.gov/mrd/">http://www.dfg.ca.gov/mrd/</a>	John Ugoretz	(831) 649-2893	<a href="mailto:jugoretz@dfg.ca.gov">jugoretz@dfg.ca.gov</a>
➤ Calif. Dept. of Fish & Game	<a href="http://www.dfg.ca.gov/">http://www.dfg.ca.gov/</a>	Brian Shelton	(949) 640-9958	<a href="mailto:bshelton@dfg.ca.gov">bshelton@dfg.ca.gov</a>
➤ California Coastal Conservancy	<a href="http://www.coastalconservancy.ca.gov/">http://www.coastalconservancy.ca.gov/</a>	Mary Small	(510) 286-4181	<a href="mailto:msmall@scc.ca.gov">msmall@scc.ca.gov</a>
➤ NOAA Fisheries	<a href="http://www.nmfs.noaa.gov/">http://www.nmfs.noaa.gov/</a>	Robert Hoffman	(562) 980-4043	<a href="mailto:bob.hoffman@noaa.gov">bob.hoffman@noaa.gov</a>
➤ U.S. Fish & Wildlife Service	<a href="http://www.fws.gov/">http://www.fws.gov/</a>	Jack Fancher	(760) 431-9440	<a href="mailto:jack_fancher@fws.gov">jack_fancher@fws.gov</a>